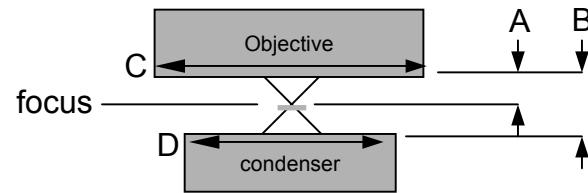


# NSLS- U10b sample space

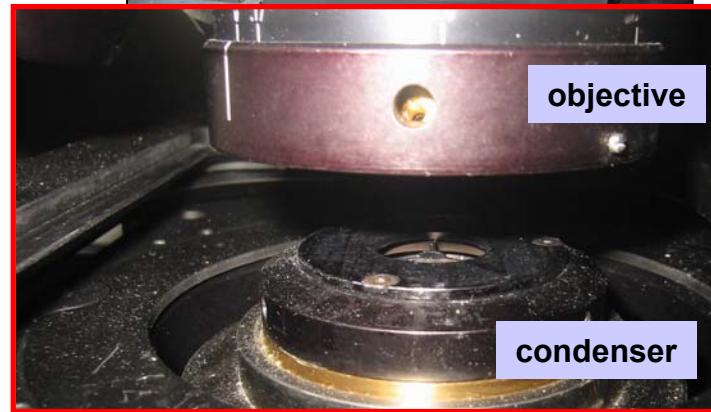
Thermo-nicolet Continuum FTIR microscope

Prior 500-H101ANNN sample stage

## FTIR microscope objective-condenser pair



dimension	32x pair		15x pair	
	in.	mm	in.	mm
A obj. working distance	0.25	6.5	0.45	11.5
B total working distance	0.5	13	1.0	26
C obj. diameter	2.8	72	2.6	66
D cond. diameter	2.2	56	2.1	53
NA (numerical aperture)	0.65		0.57	



# NSLS- U10b sample holders

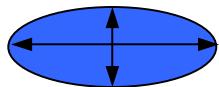
Thermo-nicolet Continuum FTIR microscope

Prior 500-H101ANNN stage

## Stage travel from center

X: $\pm$  0.9" [23 mm]

Y: $\pm$  0.6" [15 mm]]

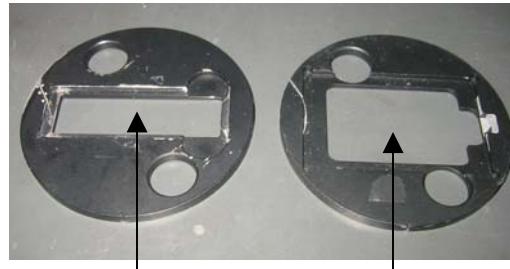


to stage



- Prior stage adaptor
  - Blank plate
- p/n 500-H230

•3.943" OD



•1"x3" slides

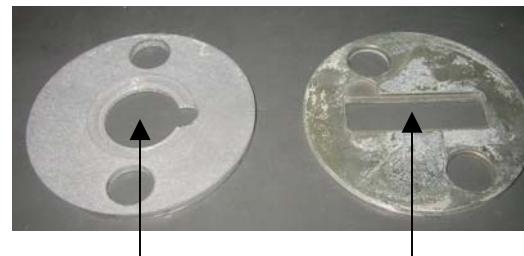


IR-reflective slide

13mm substrates

- compression cell
- other 2"x3" samples

•3.943" OD



- 1.5" disc
- 1.8" beamline X1 STXM mount



- BaF<sub>2</sub> / CaF<sub>2</sub> slide
- "sandwich" slide